

Appendix 2 Study and population characteristics [posted as supplied by authors]

Outcome category	Study design	Outcome measure(s)	Follow-up(s)	Population	Percentage male	Mean (SD) age
Anxiety						
Becona 2002	Secondary analysis of cessation intervention	State Trait Anxiety Inventory (state anxiety subscale)	12 months	General	53%	37.3
Dawkins 2009	Randomized experimental trial	Hospital Anxiety and Depression Scale (anxiety subscale)	3M	General	47%	68.9
McDermott 2013 (in submission during search)	Secondary analysis of cessation intervention	State Trait Anxiety Inventory-6	6M	General	45%	Abstainers 51.5, Smokers 47.7
Solomon 2006	Cohort	Brief Symptom Inventory (anxiety subscale)	7W	Pregnant	0%	24.3
Depression						
Berlin 2010	Secondary analysis of cessation intervention	The Hamilton Rating Scale for Depression	11W	Psychiatric	37%	44.5
Blalock 2008	Secondary analysis of cessation intervention	Beck Depression Inventory	3M	Psychiatric	19%	48
Busch 2011	Secondary analysis of cessation intervention	Center for Epidemiologic Studies Depression Scale	6M, 12M	General	10%	32.9
Dawkins 2009	Randomized experimental trial	Hospital Anxiety and Depression Scale (depression subscale)	3M	General	47%	68.9
Kahler 2002	Secondary analysis of cessation intervention	Beck Depression Inventory	6M, 12M	General	41%	45.1
Kahler 2011	Secondary analysis of cessation intervention	Center for Epidemiologic Studies Depression Scale	26M	Psychiatric	55%	41.5
Kinnunen 2006	Cohort	Minnesota Multiphasic Personality Inventory 2 (depression subscale)	5Y	General	100%	42
Munafo 2008	Cohort	Edinburgh Postnatal Depression Scale	4M, 3Y	Pregnant	0%	29
Solomon 2006	Cohort	Brief Symptom Inventory (depression subscale)	7W	Pregnant	0%	24.3
Vasquez 1999	Secondary analysis of cessation intervention	Beck Depression Inventory	12M	General	35%	34.9(9.4)
Mixed anxiety and depression						
Blalock 2008	Secondary analysis of	Positive and Negative Affect	3M	Psychiatric	19%	48

	cessation intervention	Schedule (negative affect subscale)				
Chassin 2002	Cohort	Negative affect scale	6Y	General	48%	27.0
Kahler 2009	Secondary analysis of cessation intervention	Multidimensional Personality Questionnaire (stress reaction subscale)	6M	General	57.6%	40.9 (12.7)
Mino 2000	Cohort	General Health Questionnaire -30-	6M, 12M	General	100%	Abstainers 33.3, Smokers 36.1
Steinberg 2011	Cohort	Kessler Psychological Distress Scale	6M	Chronic physical and/or psychiatric condition	47%	Median 40 to 64
Positive affect Blalock 2008	Secondary analysis of cessation intervention	Positive and Negative Affect Schedule (positive affect subscale)	3M	Psychiatric	19%	48
Croghan 2005	Cohort	Short Form Health Survey-36(energy and vitality subscale)	12M	General	52%	Abstainers 52.8(11.2), Smokers 54.6(15.6)
Mitra 2004	Cohort	Short Form Health Survey-36 (energy and vitality subscale)	3 to 4 Y	Chronic physical and/or psychiatric condition	42%	43.8(13.3)
Psychological quality of life Balduyck 2011	Cohort	European Organisation for Research and Treatment of Cancer Quality of Life Questionnaire (emotional functioning subscale)	6M, 12M	Post-surgical	71%	59.3
Croghan 2005	Cohort	Short Form Health Survey-36 (mental health composite)	12M	General	52%	Abstainers 52.8(11.2), Smokers 54.6(15.6)
Longmore 2007	Cohort	Short Form Health Survey-12 (mental health composite)	12M	Chronic physical conditions	Not reported	18+
McFall 2006	Secondary analysis of cessation intervention	Short Form Health Survey-36 - (mental health composite)	2M	Psychiatric	91.60%	52.12(6.80)
Mitra 2004	Cohort	Short Form Health Survey-36 (mental health subscale)	3 to 4 Y	Chronic physical and/or psychiatric condition	42%	43.8(13.3)
Quist-Paulsen 2006	Secondary analysis of cessation intervention	Cardiac Arrhythmia Suppression Trial Inventory	12M	Chronic physical conditions	73%	56.5

Sarna 2008	Cohort	(mental health subscale) Short Form Health Survey-36 (mental health composite)	8 to 9Y	General	0%	Range 29 to 71
Stewart 1995	Secondary analysis of cessation intervention	Short Form Health Survey-36 (mental health subscale)	6M	General	58%	40.6
Stress Chassin 2002	Cohort	Stress (non-standardized composite)	6Y	General	48%	27.0
Hajek 2010	Secondary analysis of cessation intervention	Non-standardized measurement of perceived stress	12M	Chronic physical conditions	77%	56.0
Manning 2005	Secondary analysis of cessation intervention	Perceived Stress Scale-14	6M	General	31%	44.4

Beck Depression Inventory (Beck et al, 1998), Brief Symptom Inventory (Derogatis, 1993), Cardiac Arrhythmia Suppression Trial Inventory (Wiklund et al. 1992), Center For Epidemiological Studies Depression Scale (Ross & Mirowsky 1984), European Organization For Research And Treatment Of Cancer Quality Of Life Questionnaire (EORTC, 2001), Edinburgh Postnatal Depression Scale (Cox et al, 1987), Fagerström Test For Nicotine Dependence, General Health Questionnaire – 30 Item Form (Japanese Version) (Nakagawa & Daibo, 1985), Kessler Psychological Distress Scale (Pratt, 2007), Hospital Anxiety And Depression Scales (Zigmond & Snaith 1983), Hamilton Depression Inventory (Hamilton 1960), Minnesota Multi-Phasic Personality Inventory (Butcher et al, 1990), Multidimensional Personality Questionnaire (Telligan, 1982), Positive And Negative Affect Scales (Watson et al, 1988), Perceived Stress Scale – 14 Item Form (Cohen et al, 1983), Short Form Health Survey-36 (Ware, 1993), State Trait Anxiety Inventory – 6 Item Form (Spielberger et al. 1983), State Trait Anxiety Inventory (Spielberger et al. 1983).